

Recombinant Human BAZ2B, GST-tagged

Cat. No. BAZ2B-155H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BAZ2B bromodomain (2064-2168 aa) fused to a GST tag at the N-terminus
Species	Human
Source	E.coli
ProteinLength	2064-2168 a.a.
Description	The acetylation of histone lysine residues plays a crucial role in the epigenetic regulation of gene transcription. A bromodomain is a protein domain that recognizes acetylated lysine residues such as those on the N-terminal tails of histones. This recognition is often a prerequisite for protein-histone association and chromatin remodeling. These domains function in the linking of protein complexes to acetylated nucleosomes, thereby controlling chromatin structure and gene expression. Thus, bromodomains serve as “readers” of histone acetylation marks regulating the transcription of target promoters. BAZ2B is expressed in heart, skeletal, testis, and pancreatic tissues. A rare allele of BAZ2B has been identified to be a predictor of Sudden Cardiac Death.⁴ The full-length protein contains several DNA-targeting domains, including a methyl-CpG binding domain, a DNA-binding DDT domain, and a tandem PHD-bromodomain. This protein product contains the bromodomain of BAZ2B.
Form	Liquid. 50 mM Tris, pH 7.5, containing 500 mM sodium chloride, 5% glycerol, and 5

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	mM β -mercaptoethanol.
Molecular Mass	40.2 kDa (2064-2168 aa + NT GST Tag)
Purity	$\geq 80\%$
Storage	Store at -80°C . Avoid repeated freeze and thaw cycles. Stable for 1 year.
GENE INFORMATION	
Gene Name	BAZ2B bromodomain adjacent to zinc finger domain, 2B [Homo sapiens]
Official Symbol	BAZ2B
Synonyms	BAZ2B; bromodomain adjacent to zinc finger domain, 2B; bromodomain adjacent to zinc finger domain protein 2B; WALp4; hWALp4; FLJ45644; DKFZp434H071; DKFZp762I0516;
Gene ID	29994
mRNA Refseq	NM_013450
Protein Refseq	NP_038478
MIM	605683
UniProt ID	Q9UIF8
Chromosome Location	2q24.2
Function	DNA binding; metal ion binding; protein binding; zinc ion binding;

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